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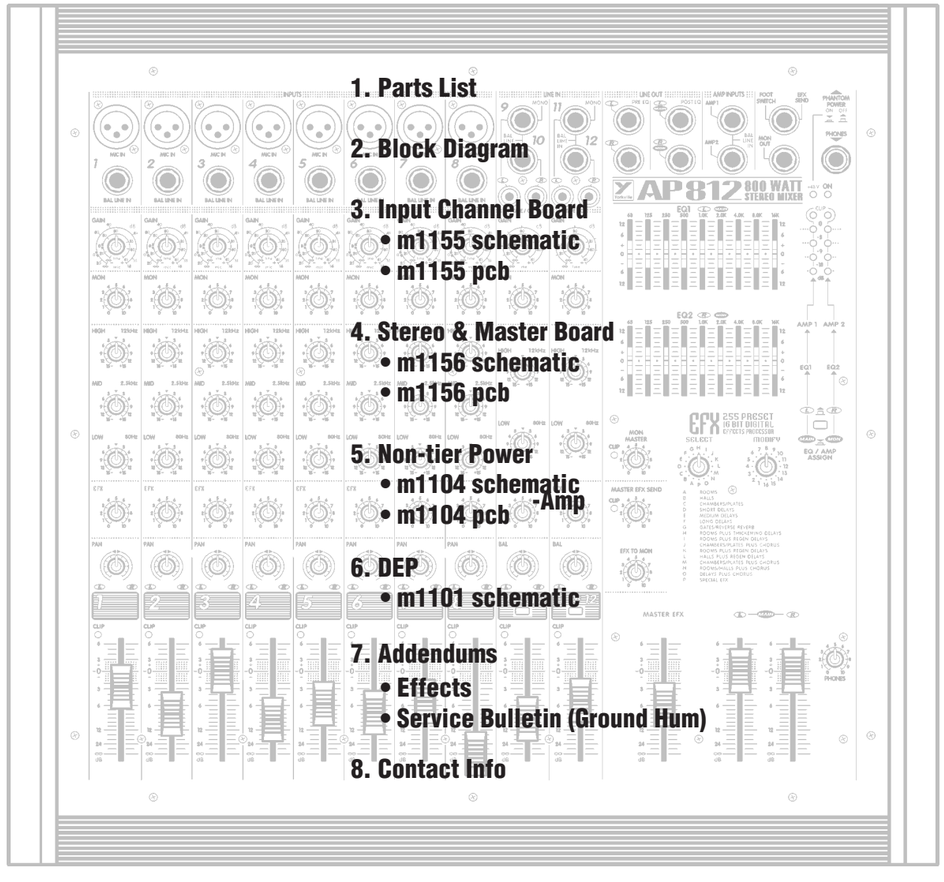
Yorkville

Quality and Innovation Since 1963

Printed in Canada

SERVICE MANUAL

Yorkville AP812 AP818 800 WATT STEREO MIXER



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AP800 Parts List 10/25/99

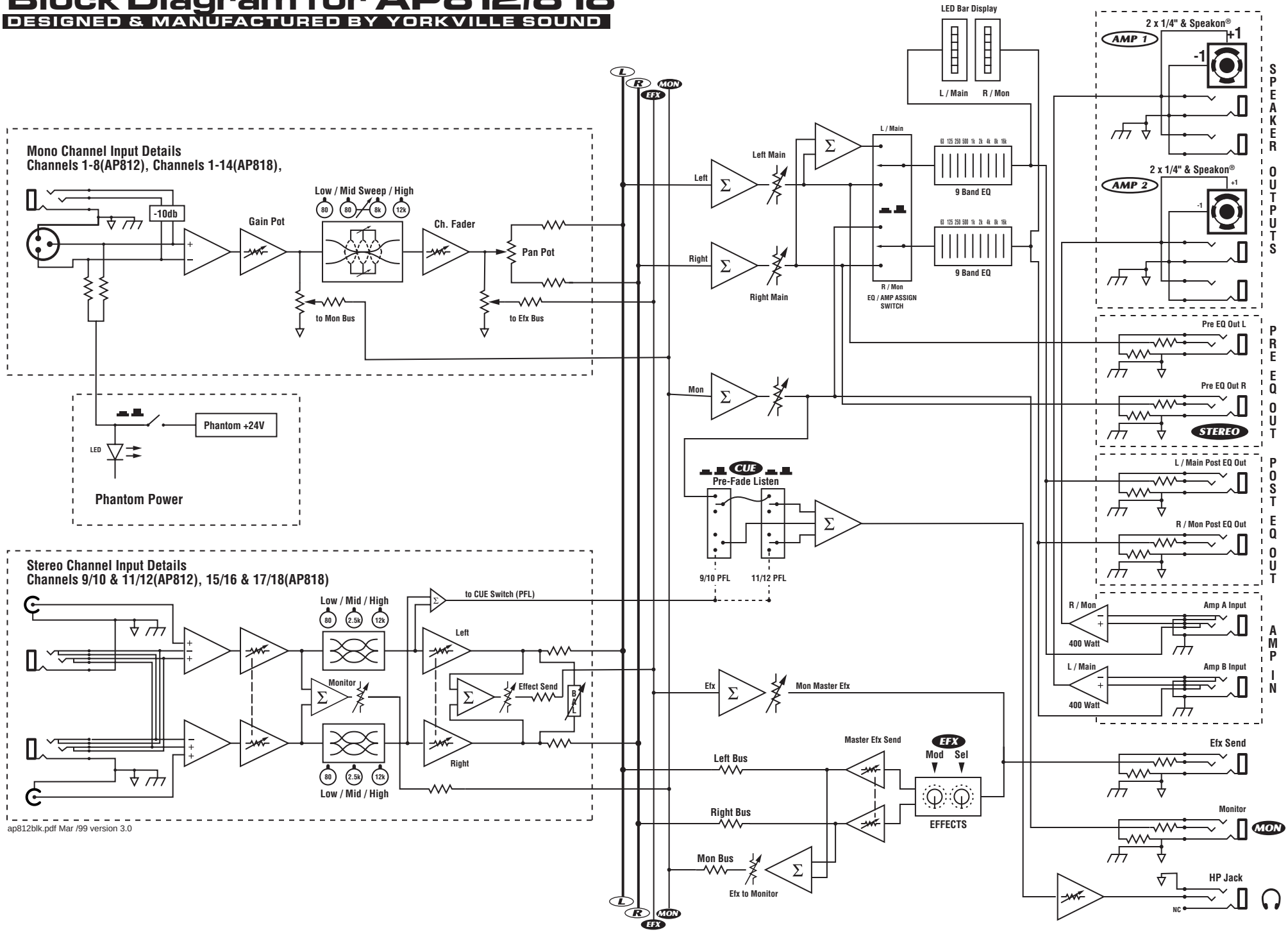
YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.
3507	28 PIN X .6" I.C DEEP SOCKET	1	5228	100N 100V 5%CAP T&R RAD .2"FLM	58	4995	1/4W 33R2 1%FLAME PROOF T&R RES	6
3550	44PIN PLCC SOCKET	1	5314	100N 50V 10%CAP T&R BEAD X7R	12	4704	5.OW 33R 5% BLK RES	1
3557	84PIN PLCC SOCKET	1	5230	180N 63V 5%CAP T&R RAD .2"FLM	2	6134	1/4W 47R 5%MINI T&R RES	1
3571	28 PIN X .6" I.C. SOCKET	1	5317	180N 50V 10%CAP T&R BEAD X7R	2	6200	1/4W 47R5 1%FLAME PROOF T&R RES	6
6994	CRYSTAL CODEC 44PIN PLCC	1	5233	330N 63V 5%CAP T&R RAD .2"FLM	10	4912	1/4W 75R 5% T&R RES	1
6940	16MHZ CRYSTAL VERT 2-PIN .25"CASE	1	5240	680N 63V 10%CAP T&R RAD .2"FLM	2	4602	1/8W 100R 5% T&R RES	18
5907	YEL 3MM LED 1V9 20MA .4SPCER T&R	2	5256	__1U 63V 5%CAP T&R RAD .2"FLM	3	4852	1/4W 100R 5% T&R RES	3
5908	GRN 3MM LED 1V9 20MA .4SPCER T&R	6	5257	__2U2 63V 20%CAP T&R RAD .2"EL	2	4984	1/4W 150R 5%MINI T&R RES	4
6403	ORN 3MM LED 1V7 5MA	15	5259	__4U7 63V 20%CAP T&R RAD .2"EL	4	4857	1/4W 220R 5% T&R RES	6
6408	GRN 3MM LED 1V9 5MA FROSTED	1	5281	_10U 16V 20%CAP T&R RAD .2"NP	2	4944	1/4W 220R 5% .2"U T&R RES	1
6419	BRIDGE 35A 400V WIRE LEAD GI3504	1	5282	_10U 16V 20%CAP T&R 5X7MM .2"NP	13	4977	1/4W 220R 5%MINI T&R RES	9
6425	BAV21 200V 0A25 DIODE T&R	4	5260	_22U 50V 20%CAP T&R RAD .2"EL	14	4606	1/8W 249R 2%FLAME PROOF T&R RES	24
6438	1N4004 400V 1A0 DIODE T&R	10	5631	_22U 50V 20%CAP T&R 5X7MM .2"EL	13	4986	1/4W 270R 5%MINI T&R RES	4
6825	1N4148 75V 0A45 DIODE T&R	104	5961	_33U 16V 20%CAP T&R RAD .2"NP	42	4789	1/4W 324R0 0.1% *** T&R RES	2
6934	MR854 400V 3A0 DIODE FASREC	4	5267	100U 25V 20%CAP T&R RAD .2"EL	6	5010	1/4W 330RX9 5% 10PIN SIP RES	1
6733	BAT85 30V 0A2 DIODE SCHTKY T&R	2	5879	100U 16V 20%CAP T&R 8X7MM .2"EL	25	4872	1/4W 390R 5% T&R RES	2
6440	1N750ARL 4V7 0W5 ZENER 5% T&R	7	5618	470U 25V 20%CAP BLK 10X15MM EL	4	4950	1/4W 390R 5% .2"U T&R RES	2
6436	1N753ARL 6V2 0W5 ZENER 5% T&R	5	5887	2200U 50V 20%CAP BLK 18X27MM EL	1	4690	1/2W 442R 1% T&R RES	3
6822	1N4745A 16V0 1W0 ZENER 5% T&R	4	5894	3900U 80V 20%CAP BLK 30X40MM ELS	8	4933	1/4W 470R 5% .2"U T&R RES	8
6463	1N5251BRL 22V0 0W5 ZENER 5% T&R	1	4581	ROT GRY 18MM 4BIT ENCODER P23	2	4980	1/4W 470R 5%MINI T&R RES	5
6426	1N5254B 27V0 0W5 ZENER 5% T&R	1	4537	_10K B LIN 9MM DETENT P25	34	4691	1/4W 510R 5% T&R RES	4
6485	1N5256C 30V0 0W5 ZENER 2% T&R	4	4562	_10K LIN 12MM STEREO DETENTP21	4	4799	1/4W 562R 1% T&R RES	24
6738	MC7805CT TO220 P 5V0 REG V1	1	4566	_10K B LIN 9MM P25	21	6203	1/4W 590R 1%FLAME PROOF T&R RES	12
6871	MC7915CT TO220 N 15V0 REG V2	1	4567	_20K 5C R/A 9MM P25	8	4891	1/4W 620R 5% T&R RES	10
6872	MC7815CT TO220 P 15V0 REG V1	1	4570	_20K 5C R/A 12MM STEREO P21	2	4922	1/4W 620R 5% .2"U T&R RES	10
5101	BC550C TO92 NPN TRAN T&R TB	16	4545	_50K LIN 12MM STEREO DETENTP21	2	5019	1/4W 620R 5%MINI T&R RES	2
5102	BC560C TO92 PNP TRAN T&R TB	29	4568	_50K B LIN 9MM P25	3	4673	1/2W 680R 5% T&R RES	4
5103	MPSA06 TO92 NPN TRAN T&R TA	1	4385	100K 5C R/A 12MM STEREO P21	8	4873	1/4W 680R 5% T&R RES	2
5104	MPSA56 TO92 PNP TRAN T&R TA	2	4487	_10K 10A AUD 60MM STEREO S01	3	4923	1/4W 680R 5% .2"U T&R RES	5
5105	MPSA13 TO92 NPN DARL T&R TA	14	4489	_10K B LIN 60MM S01	8	4924	1/4W 750R 5% .2"U T&R RES	4
5106	MPSA63 TO92 PNP DARL T&R TA	2	3996	_20K LIN 30MM DETENT S12	18	4925	1/4W 820R 5% .2"U T&R RES	2
5119	2N5638 TO92 NCH JFET T&R TC	4	4488	_50K B LIN 60MM S01	2	4913	1.0W 1K 5% T&R RES	2
5123	NJM431L TO92 S 2V0 REG T&	2	4541	100R TRIM POT	2	4934	1/4W 1K 5% .2"U T&R RES	2
6912	BDX53C TO220 NPN TRAN DARL TE	2	3606	12.0 AMP CIRCUIT BREAKER	1	4981	1/4W 1K 5%MINI T&R RES	15
6988	MJL21194 TO3P NPN TRAN TK	6	3820	___4UH COIL 14AWG ZOBEL HORIZONTAL	2	6110	1/4W 1K0 1%MINI MF T&R RES	4
6989	MJL1302A TO3P PNP TRAN TK	2	3497	1/4" JCK PCB MT VERT ISO	1	4585	1/4W 1K2 5%MINI T&R RES	56
6990	MJL3281A TO3P NPN TRAN TK	2	3498	1/4" JCK PCB MT HORZ	4	4988	1/4W 1K5 5%MINI T&R RES	17
6991	MJL21193 TO3P PNP TRAN TK	6	3921	1/4" JCK PCB MT VERT STER RT SWT	20	4738	5.0W 1K8 5% BLK RES	8
6754	NJM072BL IC DUAL OPAMP INLINE	1	3466	RCA DUAL PCB MT VERT GOLD 24MM	2	4631	1/2W 2K 5% T&R RES	1
6798	MC4741CP IC QUAD OP AMP	1	6956	SPKON 4C PCB MT HORZ GRY #4	2	4946	1/4W 2K 5% .2"U T&R RES	4
6840	MC33078P IC DUAL OP AMP	21	3925	XLR FEML PCB MT VERT 24MM U-CONT	8	6113	1/4W 2K 5%MINI T&R RES	29
6867	LM339N IC QUAD COMPARATOR	2	3451	EYELET SMALL 0.089 OD PLATED	87	4847	1/4W 2K2 5% T&R RES	1
6882	TL072CP IC FET DUAL OP AMP	6	2486	1.5 AMP SLO-BLO T&R FUSE	2	6202	1/4W 2K21 1%FLAME PROOF T&R RES	4
6889	TLO74CN IC QUAD O/A T.I ONLY	8	3863	FAN 80MM X 80MM 39CFM 12VDC 173MA	1	4587	1/4W 2K32 1% T&R RES	2
6745	LM13600N IC XCONDUCTANCE AMP	1	3692	HEATSINK THERMALOY 6079-PB	1	4588	1/4W 2K43 1% T&R RES	2
6943	74HC374N IC OCTAL DTYPE LATCH	1	3501	B52200F006 COMP WASH #4 SMALL	1	4936	1/4W 2K7 5% .2"U T&R RES	1
6962	74HC30 IC 8-INPUT NAND GATE	1	3745	DUAL XSISTOR PBL SPRING PLATE ZN	9	4635	1/2W 3K 5% T&R RES	2
6981	27C512 PROM IC YORKVILLE 16X16 PRG	1	8682	#4 TEFLON WASHER .125ID .281OD .031	1	4788	1/4W 3K160 0.1% *** T&R RES	2
6992	1365-102 IC DIGITAL REVERB ASIC	1	3552	NYLON SPRING CLAMP	1	6136	1/4W 3K3 5%MINI T&R RES	7
6993	1250-101 IC SRAM 32KX8	1	3788	QUICKON MALETAB	1	4793	1/4W 4K590 0.1% *** T&R RES	2
5190	MBS4992 TO92 8V5 DIAC	2	3810	4" NYLON CABLE TIE	12	4627	1/2W 4K7 5% T&R RES	2
6448	BT139 TO220 16A TRIAC 500V	2	3827	SQUARE BUMPER BUTTON BLACK	10	4943	1/4W 4K7 5% .2"U T&R RES	16
6880	4N35 OPTO-COUPLER	2	8392	RED STYLE 1 KNOB	21	4982	1/4W 4K7 5%MINI T&R RES	33
6478	AS35FN-TO92 TEMPERATURE SENSOR	2	8393	GREY STYLE 1 KNOB	12	6128	1/4W 4K99 1%MINI MF T&R RES	58
5405	_27P 200V 5%CAP T&R RAD CER.2"NPO	3	8394	GREEN STYLE 1 KNOB	11	4828	1/4W 6K8 5% T&R RES	2
5203	_47P 100V 2%CAP T&R RAD CER.2"NPO	5	8395	BLUE STYLE 1 KNOB	38	4978	1/4W 6K8 5%MINI T&R RES	4
5408	_47P 100V 10%CAP T&R BEAD NPO	2	8397	GREY STYLE 2 KNOB	2	4801	1/4W 6K98 1% T&R RES	4
5199	100P 100V 2%CAP T&R RAD CER.2"NPO	1	8638	AP MIXER SERIES PUSH SW BUTTON GREY	3	4887	1/4W 7K5 5% T&R RES	20
5410	100P 100V 10%CAP T&R BEAD NPO	4	8661	BUTTON KNOB FLAT GREY	1	4990	1/4W 8K2 5%MINI T&R RES	8
5196	150P 100V 2%CAP T&R RAD CER.2"NPO	2	8680	GREY FADER KNOB - AP-812	13	4810	1/4W 9K1 5% T&R RES	6
5417	330P 50V 10%CAP T&R BEAD NPO	2	3468	8' 3/16 SJT AC LINE CORD STRIP 17"	1	4829	1/4W 10K 5% T&R RES	5
5206	__1N 400V 5%CAP T&R RAD .2"FLM	7	3821	HEYCO #1200 STRAIN RELIEF	1	4940	1/4W 10K 5% .2"U T&R RES	11
5273	__1N5 200V 5%CAP T&R RAD CER.2"NPO	31	3596	36PIN BREAKAWAY .15GOLD .100	0.333	4983	1/4W 10K 5%MINI T&R RES	54
5208	__2N2 400V 5%CAP T&R RAD .2"FLM	8	3597	12 CIR HDR BOT ENTRY 0.1" GOLD	1	5011	1/4W _10KX9 2% 10PIN SIP RES	1
5274	__2N2 200V 5%CAP T&R RAD CER.2"NPO	8	3638	12 CIR CABLE HOLDER .098	3	6116	1/4W 10K0 1%MINI MF T&R RES	14
5426	__2N2 50V 10%CAP T&R BEAD Y5R	4	8800	6-32 KEPS NUT ZINC	3	4773	1/4W 12K1 1% T&R RES	1
5209	__4N7 250V 5%CAP T&R RAD .2"FLM	12	8787	8-32 KEPS NUT ZINC	1	4775	1/4W 14K0 1% T&R RES	3
6451	__4N7 250V 20%CAP BLK 'Y' 10MM AC	1	8845	10-32 PEMNUT SS-032-2-Z1	6	4979	1/4W 15K 5%MINI T&R RES	8
5433	__5N6 50V 10%CAP T&R BEAD X7R	2	8797	5/16-18 KEPS NUT JS500	1	4771	1/4W 17K8 1% T&R RES	1
5272	__6N8 100V 5%CAP T&R RAD .2"FLM	12	3866	ELASTOMER PAD TSIL 3 1.2X6.0	5	6125	1/4W 18K 5%MINI T&R RES	14
5204	_10N 100V 10%CAP T&R RAD .2"FLM	11	3580	12 CIR WAFER W/LCK VT 0.1"	1	6123	1/4W 20K0 1%MINI MF T&R RES	4
5207	_18N 100V 5%CAP T&R RAD .2"FLM	2	3818	EMI SUPPRESSION FERRITE BEAD T&R	2	4777	1/4W 21K5 1% T&R RES	5
5210	_22N 100V 10%CAP T&R RAD .2"FLM	5	4597	22AWG STRAN TC WIR JMP	90	4956	1/4W 27K 5% .2"U T&R RES	3
5304	_22N 50V 10%CAP T&R BEAD X7R	2	4599	22AWG SOLID SC WIR T&R JMP	309	6129	1/4W 27K 5%MINI T&R RES	7
6435	_22N 275V 20%CAP BLK 'X2' 15MM AC	1	5299	24AWG SOLID SC WIR RAD JMP	34	4917	1/4W 31K6 1% T&R RES	1
5222	_33N 100V 10%CAP T&R RAD .2"FLM	5	4745	5.0W 0R1 5% BLK RES	12	4840	1/4W 33K 5% T&R RES	2
5306	_33N 50V 10%CAP T&R BEAD X7R	1	4694	5.0W 1R8 5% BLK RES	2	6122	1/4W 33K 5%MINI T&R RES	21
5224	_47N 100V 10%CAP T&R RAD .2"FLM	10	4605	1/8W 10R 5% T&R RES	11	4868	1/4W 36K 5% T&R RES	2
5226	_68N 100V 5%CAP T&R RAD .2"FLM	12	4686	1.0W 10R 5%FLAME PROOF T&R RES	2	4794	1/4W 37K90 0.1% *** T&R RES	2
5310	_68N 50V 10%CAP T&R BEAD X7R	2	4709	5.0W 22R 5% BLK RES	1	4853	1/4W 39K 5% T&R RES	4

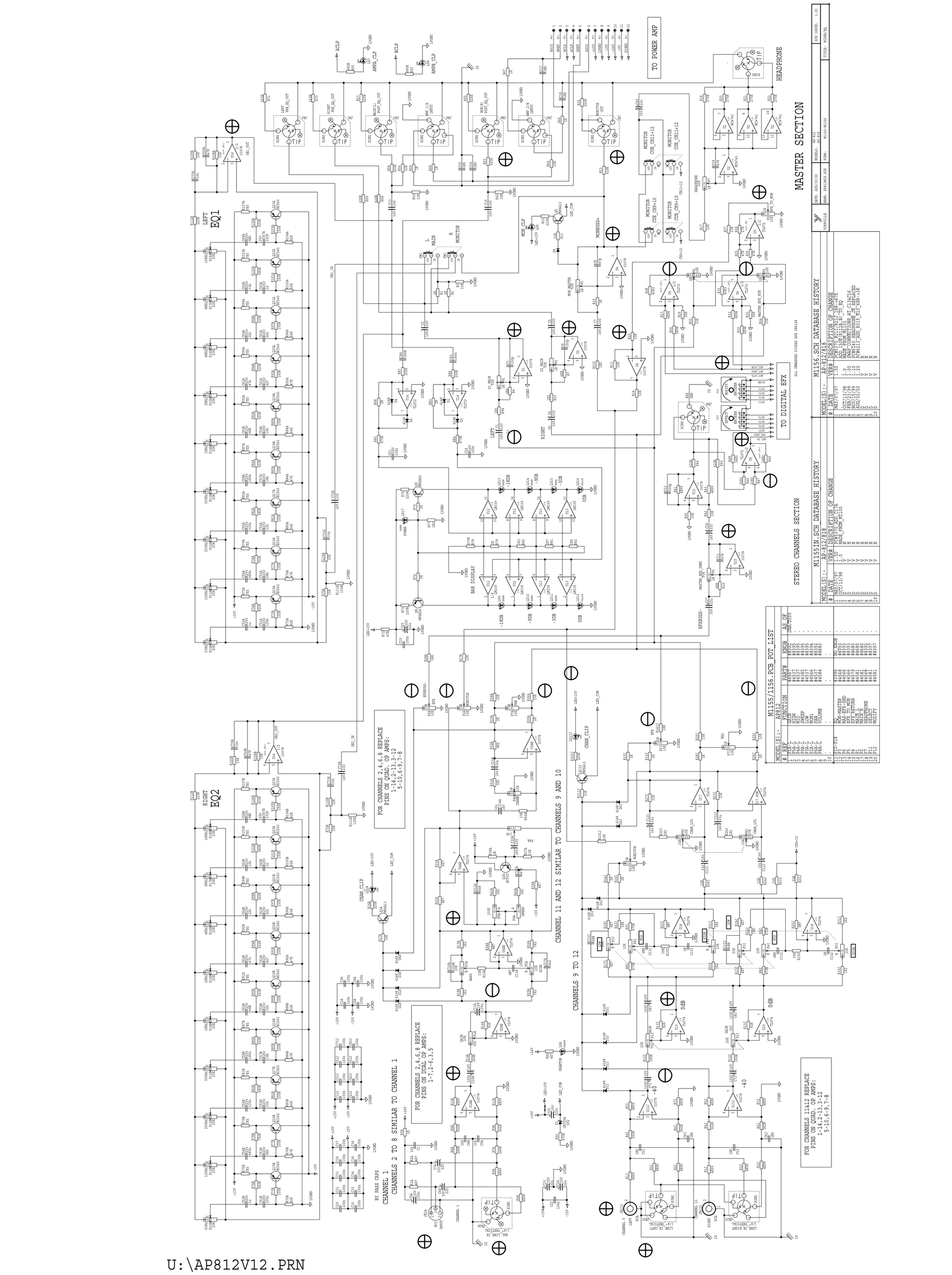
AP800 Parts List 10/25/99

YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.
4878	1/4W 43K 5% T&R RES	8						
4908	1/4W 45K3 1% T&R RES	2						
4834	1/4W 47K 5% T&R RES	1						
6119	1/4W 47K 5%MINI T&R RES	8						
4803	1/4W 49K9 1% T&R RES	2						
4835	1/4W 56K 5% T&R RES	8						
4761	1/4W 60K4 1% T&R RES	1						
4836	1/4W 68K 5% T&R RES	8						
4760	1/4W 75K 5% T&R RES	2						
4586	1/4W 82K 5%MINI T&R RES	16						
4942	1/4W 100K 5% .2"U T&R RES	3						
4851	1/4W 120K 5% T&R RES	4						
4886	1/4W 200K 5% T&R RES	3						
4843	1/4W 470K 5% T&R RES	1						
6127	1/4W 470K 5%MINI T&R RES	1						
4844	1/4W 1M 5% T&R RES	4						
4948	1/4W 1M 5% .2"U T&R RES	10						
4845	1/4W 2M2 5% T&R RES	1						
4888	1/4W 4M7 5% T&R RES	4						
4951	1/4W 4M7 5% .2"U T&R RES	8						
3666	_2" 4C-26AWG RIBBON CABLE 0.1"	3						
3665	_2" 8C-26AWG RIBBON CABLE 0.1"	1						
3639	1.7"12C-26AWG RIBBON 0.25"S&R 098	1						
3740	15" 12C-26AWG RIB 1 W/LCK HDR 098	1						
9006	20GA SATINCOAT STEEL 4 X 8 SHEET	4						
9020	18GA COLD ROLLED STEEL 4X8 SHEET	5.33						
9065	14GA SATINCOAT STEEL 4X8 SHEET	0.58						
9150	.081" 48X96 UTILITY ALUMINUM	1.06						
9251	.063" 48X96 5052H32 ALUM VINYL LAMI	3						
9564	HEATSINK (RIDGE) AP812/818/DJM806	0.94						
9583	BLACK 'U' EXTRUSION DIE #943	0.166						
8729	#4 X 3/8 FLAT QUAD TYPE A JS500 BLK	4						
8861	4-40 X 3/8 PAN PH MS JS500	1						
8842	#4 X 5/16 PAN QUAD TYPE A JS500 BLK	18						
8799	#6 X 1/4 PAN PH TYPE B JS500	1						
8832	6-32 X 1/4 PAN PH TAPTITE JS500	8						
8807	6-32 X 5/16 PAN PH MS JS500	21						
8801	6-32 X 3/8 PAN PH TAPTITE JS500	9						
8829	6-32 X 3/8 FLAT PH TAPTITE BO#4 HEA	24						
8828	6-32 X 3/4 PAN PH TAPTITE JS500	6						
8823	6-32 X 1 PAN PH TAPTITE JS500	2						
8803	8-32 X 3/8 PAN QUAD TAPTITE JS500	4						
8999	8-32 X 5/8 PAN PH TAPTITE JS500	8						
8785	#8 X 3/4 OVAL PH TYPE A JS500 BLACK	4						
8815	8-32 X 3/4 PAN PH TAPTITE JS500	5						
8874	8-32 X 1" PAN PHIL TAPTITE JS500	7						
8749	10-32 X 1/2 QDX PH TAPTITE JS500	4						
8753	#10 X 1/2 PAN PH TYPE A ZINC	6						
8821	10-16 X 1 3/32 TYPE B HEX W/SLOT BL	8						
8843	10-32 X 1 1/8 FLAT PH MS JS500	6						
8733	5/16-18X2-1/2 GRD 5 HEX BOLT JS500	1						
3751	SNAP IN 5/16 SPACER RICHCO	11						
3744	SNAP IN .375 SPACER RICHCO	6						
3739	CUSTOM .4 LED SPACER	24						
3865	1/2 PLASTIC HEX SPACER #6	21						
8657	6-32 X 3/8" HEX SPACER ALUMINUM	2						
8482	3/8 1D FLAT WASHER	21						
3517	NYLON WASHER #8 0.062	1						
8818	3/4 OD X 5/16 ID X .08 THICK WASHER	2						
3511	#6 FLAT WASHER NYLON	21						
8491	#10 SPLIT LOCK WASHER BO	4						
3436	DPDT PUSH SW PCMT H BREAK B4 MAKE	1						
3522	DPDT PUSH SW PCMT V MINI SNAP-	3						
3587	DPDT ROKR SW QUIK 250"AC/PWR ON-OFF	1						
5635	1000U 35V 20%CAP RADIAL ELECT BUL	1						
8552	AIR VENT, AP MIXERS	1						
8553	BUMPER,AP812 SERIES MIXER 17.250"	2						
8557	GABLE, 3-HOLE AP MIXERS STYLE 2	2						
8581	CUSTOM PBL TRANSISTOR SPACER	9						
1318	AP-812 T'RD	1						

Block Diagram for AP812/818

DESIGNED & MANUFACTURED BY YORKVILLE SOUND



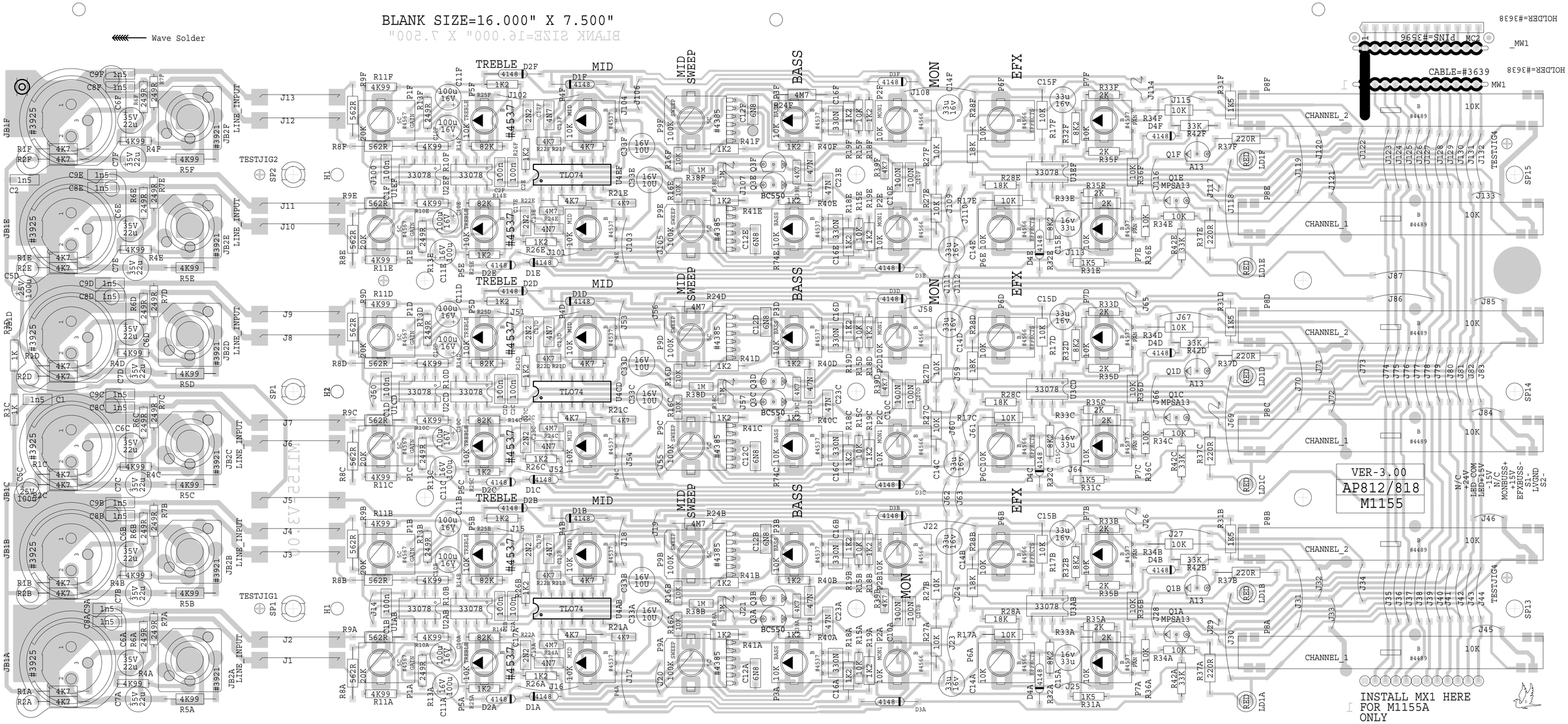

MASTER SECTION
STEREO CHANNELS SECTION
TO POWER AMP
TO DIGITAL EFX
HEADPHONE
LEFT EQ1
RIGHT EQ2
CHANNEL 1
CHANNELS 2 TO 8 SIMILAR TO CHANNEL 1
CHANNELS 9 TO 12
CHANNEL 11 AND 12 SIMILAR TO CHANNELS 9 AND 10
BY PASS CAPS
FOR CHANNELS 2,4,6,8 REPLACE PINS ON QUAD. OP AMPS: 1-14,2-13,3-12 5-10,6-9,7-8
FOR CHANNELS 2,4,6,8 REPLACE PINS ON QUAD. OP AMPS: 1-7,2-6,3,5
FOR CHANNELS 11&12 REPLACE PINS ON QUAD. OP AMPS: 1-14,2-13,3-12 5-10,6-9,7-8
M1156.SCH DATABASE HISTORY
MODEL(S):- AP-812/818
DATE VER# DESCRIPTION OF CHANGE
1 MAY/07/97 1.50 PCB5370_ADD_CTLTA
2 OCT/13/98 1.0 MADE_FROM_M1100
M1155IN.SCH DATABASE HISTORY
MODEL(S):- AP-812/818
DATE VER# DESCRIPTION OF CHANGE
1 MAY/07/97 1.50 PCB5370_ADD_CTLTA
2 OCT/13/98 1.0 MADE_FROM_M1100
M1155/1156.PCB POT LIST
MODEL(S):- AP812
REF FUNCTION PART# KNOB
1 EQ1-L MAIN #B5052 .
2 EQ2-L MIC #B5052 .
3 PAN-L MIC/AP #B5052 .
4 PAN-L LINE #B5052 .
5 PAN-L MAIN #B5052 .
6 PAN-L EFX #B5052 .
7 PAN-L PHONES #B5052 .
8 PAN-L VOLUME #B5052 .
9 . . . .
10 . . . .
11 R110/P18 EFX MASTER #B7296 NO KNOB
12 P6 MASTER REV.SND #B5956 #B8931
13 P5 EFX TO MON #B5956 #B8931
14 P4 EFX TO MAIN #B5956 #B8931
15 P3 MAIN L #B5956 #B8931
16 P2 MAIN R #B5956 #B8931
17 P1 HEADPHONE #B5956 #B8931
18 P11 SELECT #B5956 #B8931
19 P10 MIC/EFX #B5956 #B8931
20 P12 VOLUME #B5956 #B8931
AS OF JAN/2000
U:\AP812V12.PRN

P:\11555V0A.PRN

ASSEMBLY M1155-3.00
PCB MECH ○ M1155-3.00

BLANK SIZE=16.000" X 7.500"

Wave Solder



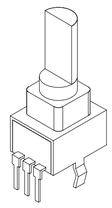
SOLDERSIDE M1155-3.00

VCD

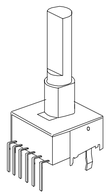
PRODUCTION NOTES

1 BEND XLR LEGS

2 INSTALL MX1 FOR M1155A ONLY



STYLE "P25"



STYLE "P21"

M1155.PCB_DATABASE_HISTORY

MODEL(S):- AP-812/818

#	DATE	VER#	DESCRIPTION OF CHANGE
1	MAR/03/99	1.00	PC#5935/5937 PROTO PROBLEMS FIXED
2	NOV/25/99	2.00	MOVED TRACES TO ACCOMODATE SIDE
3	D	V	BREAKAWAYS IN FROM EDGE OF PCB
4	MAR/14/00	2.01	MAKE ALL SOLDERMASK BIGGER THAN PAD
5	APR/06/00	3.00	FIX MISSING TRACE AT PF2
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N

M1155.PCB POT LIST

MODEL(S):- AP812/818

REF	FUNCTION	PART#	KNOB	AS OF
P1A-P1F	GAIN_CONTROL	#4567	#8392	25/11/99
P2A-P2F	MONITOR_1	#4566	#8394	25/11/99
P3A-P3F	BASS_CONTROL	#4537	#8395	25/11/99
P4A-P4F	MID_TONE	#4537	#8395	25/11/99
P5A-P5F	TREB_CONTROL	#4537	#8395	25/11/99
P6A-P6F	EFFECTS	#4566	#8393	25/11/99

M1155.PCB POT LIST

MODEL(S):- AP812/818

REF	FUNCTION	PART#	KNOB	AS OF
P7A-P7F	PAN_CONTROL	#4537	#8392	25/11/99
P8A-P8F	GAIN_SLIDER	#4584	#8680	25/11/99
P9A-P9F	MID_SWEEP	#4385	#8395	25/11/99
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N

P:\1156V32.PRN

SOLDERSIDE MASK=3.20

BLANK SIZE=16.000" X 10.500"

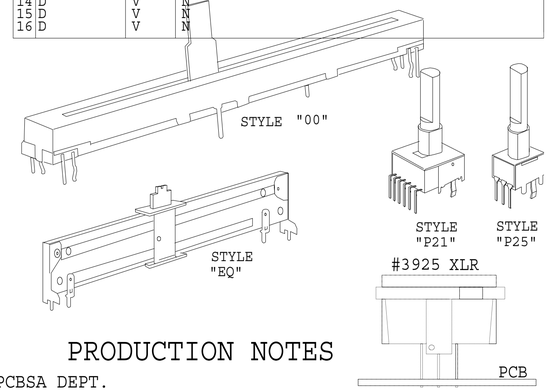
ASSEMBLY M1156-3.20
PCB MECH M1156-3.20

M1156-3.20

BLANK SIZE=16.000" X 10.500"

AP812/818
M1156
VER:3.20

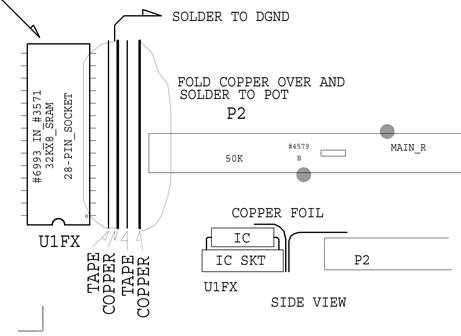
M1156.PCB_DATABASE_HISTORY			
MODEL(S):- AP-812/818			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	MAR/03/99	2.00	PC#5936_FIX_PROTO_PROBLEMS
2	OCT/21/99	3.00	PC#5934_MOVED_C15G_PC#5960_CORRECT
3	.	.	REF# R18H-R19H
4	.	.	PC#6I40_HEADPHONE_JK_#3497->#3921
5	MAR/14/00	3.01	MAKE_ALL_SOLDERMASK_BIGGER_THAN_PAD
6	MAY/15/00	3.02	PC#6244_HOLE_SIZE_FOR_GND_LEG_OF RCA_JK_#3466"_.070"->.059"
7	.	.	
8	AUG/30/00	3.10	PC#6213_R10_6K8->3K_J315->1K5-(R315
9	OCT/16/00	3.20	PC#6292_R16FX_680R->470R_DEL_C5FX
10	D	V	N
11	D	V	N
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N
14	D	V	N
15	D	V	N
16	D	V	N



PRODUCTION NOTES

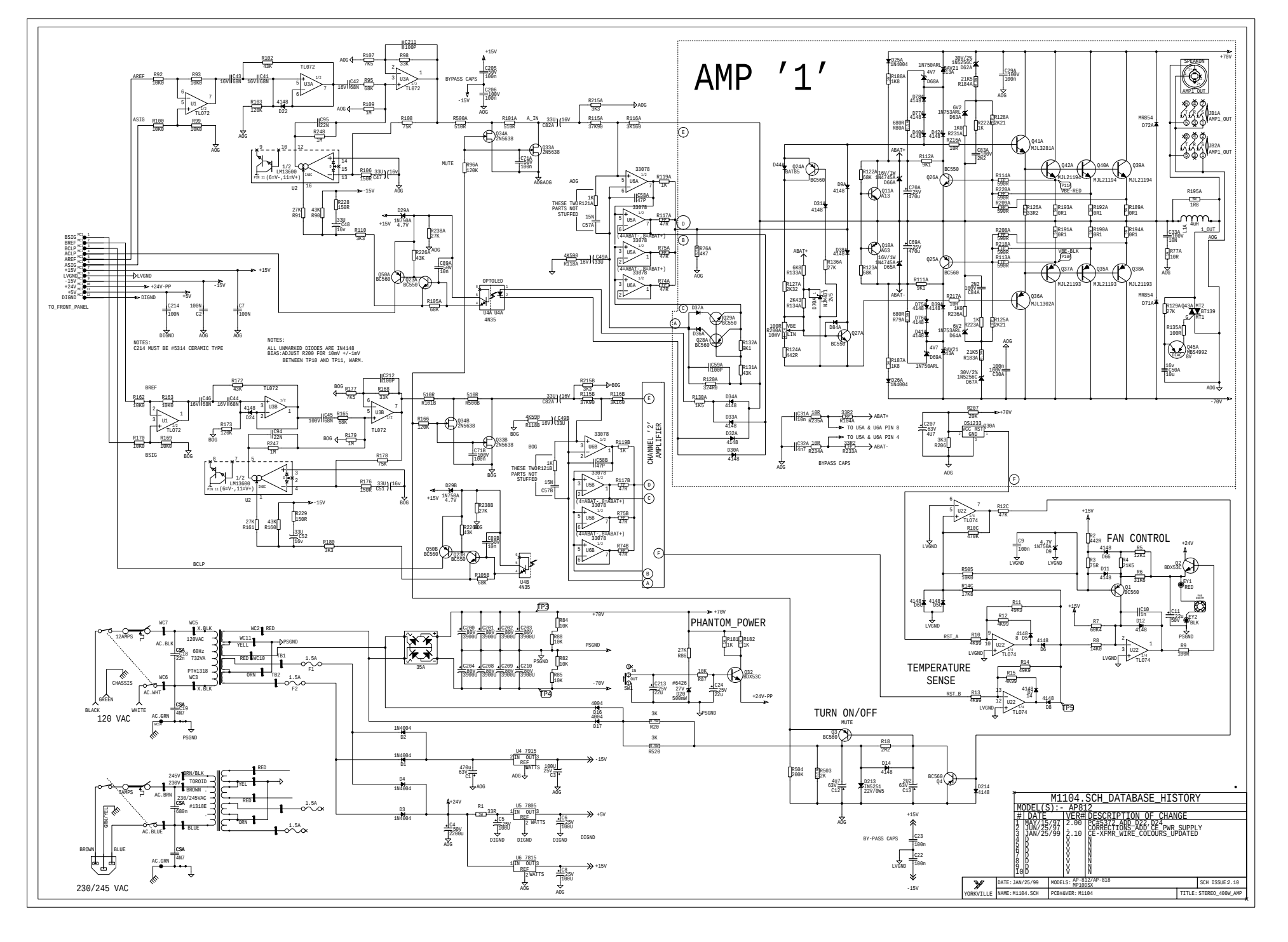
PCBSA DEPT.

1 ADD COPPER FOIL ON I.C SOCKET OF U1FX ADD EXTRA SOLDER
2 ADD YELLOW WIRE NEXT TO U6
3 ADD .5" COPPER STRIP ON TOP OF P2 FOR N.A. AND EXPORT
4 ADD 1" COPPER STRIP ON BOTTOM OF U1FX FOR EXPORT



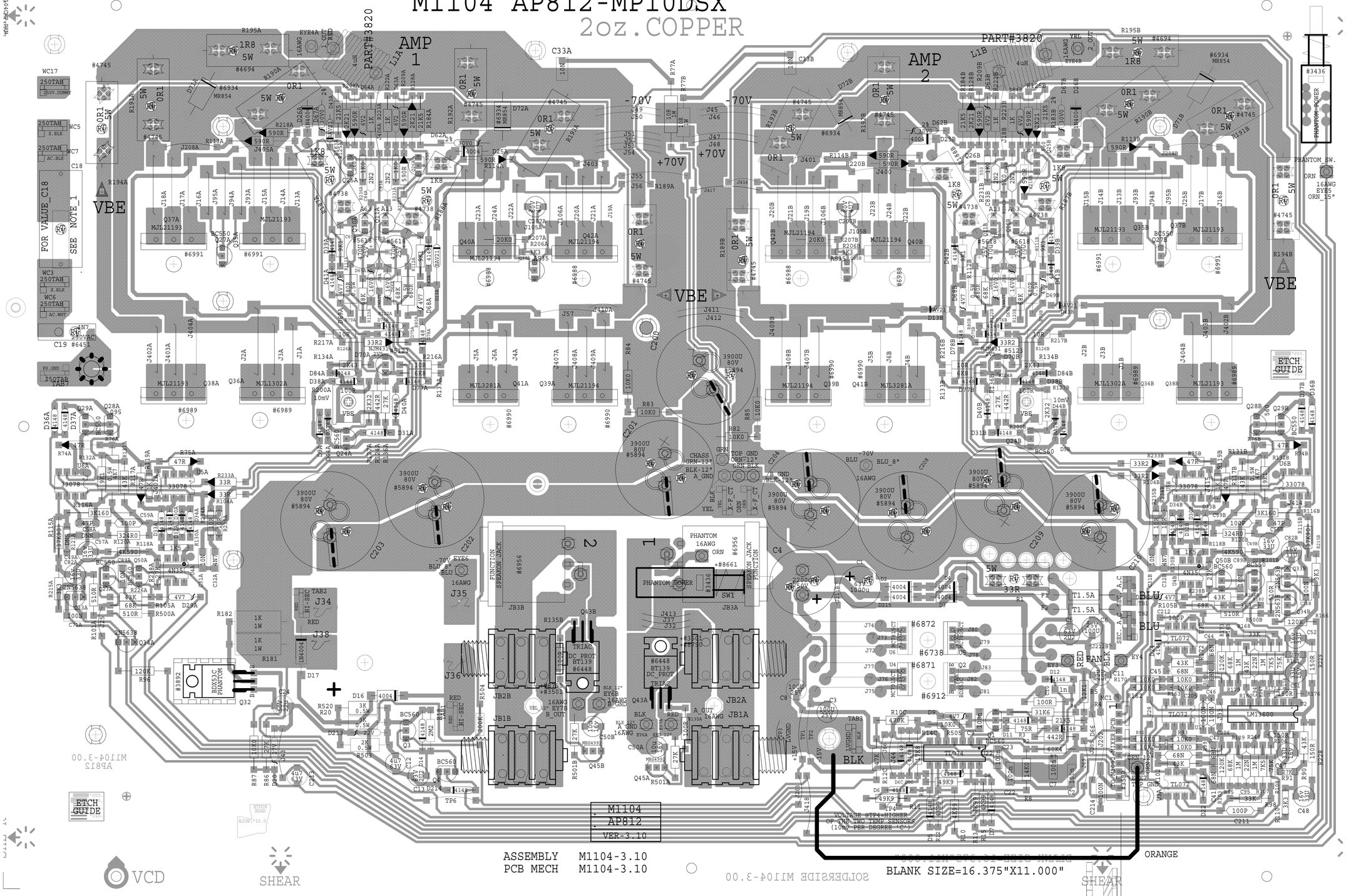
Wave Solder

VCD


AMP '1'
CHANNEL '2' AMPLIFIER
PHANTOM_POWER
FAN CONTROL
TEMPERATURE SENSE
TURN ON/OFF
120 VAC
230/245 VAC
NOTES:
C214 MUST BE #5314 CERAMIC TYPE
NOTES:
ALL UNMARKED DIODES ARE IN4148
BIAS:ADJUST R200 FOR 10mV +/-1mV
BETWEEN TP10 AND TP11, WARM.
BYPASS CAPS
BY-PASS CAPS
TO_FRONT_PANEL
M1104.SCH_DATABASE_HISTORY
MODEL(S):- AP812
DATE VER# DESCRIPTION OF CHANGE
1 MAY/15/97 2.00 PC#5372 ADD D22 D24
2 JUN/25/97 CORRECTIONS ADD C6 PWR SUPPLY
3 JAN/25/99 2.10 CE-XFMR_WIRE_COLOURS_UPDATED
YORKVILLE
DATE:JAN/25/99
MODELS: AP-817/AP-818 MP10DSX
SCH ISSUE:2.10
NAME:M1104.SCH
PCB#&VER: M1104
TITLE: STEREO_400W_AMP

M1104 AP812-MP10DSX

2oz.COPPER



M1104.PCB_DATABASE_HISTORY			
MODEL(S):- AP812-MP10DSX-DJM806			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	MAR/25/97	1.00	FIRST_PRODUCTION
2	MAY/15/97	2.00	PC#5372_ADD_DIODES_D22,D24
3	.	.	L1A/B #3759->#3820
4	FEB/12/98	2.10	CHANGED_ROUTING_AT_VBE_XTR'S
5	FEB/16/98	2.11	REVERSED_ROUTING_AT_LAST_VBE_XTR
6	FEB/27/98	3.00	PC#5622_C214_RADIAL->AXIAL
7	JUN/08/98	3.10	PC#5713_TP4_TO_RADIAL_JUMPER
8	MAR/25/99	3.20	PC#5951_C1_470U->1000U
9	MAR/30/00	3.30	PC#6212_GRND_WIRE_ADDED_TAB3
10	D	V	N
11	D	V	N

PRODUCTION NOTES

1 C18 FOR NORTH AMERICAN IS 22N PT#6435
C18 FOR EXPORT (CE,S,E) IS 680N PT#5266

2 Q32 MOUNTING HARDWARE #8861 #3501 #8701 Q32 #3692 HEATSINK

3

YORKVILLE	DATE: FEB/9/97	MODELS: AP-312/AP-812\AP-818	SCH ISSUE: 1.10
	NAME: M1101FX.SCH	PCB#&VER: M1101	TITLE: DIGITAL_EFFECTS

DIGITAL EFFECTS SECTION

APPROVALS	DATE
DRAWN: R.NEATROUR	2-16-94
ENGINEERING:	
REVISED: A. CHILCO	1995/06/05
CHECKED:	
ISSUED:	
PLOT DATE: 12-1-94	

APPLIED RESEARCH & TECHNOLOGY
215 TREMONT STREET
ROCHESTER, NY 14608

ART OEM REVERB BOARD

SIZE: A | DWG NO: 400-4001-100 | REV:
FILENAME: M1101-FX | SHEET: 4 OF 4

Yorkville Sound
550 Granite Court
Pickering, Ontario
Canada L1W 3Y8

Phone: (905)837-8550 Ext.218
Fax: (905)839-5776
Email: pmourtos@yorkville.com
www.yorkville.com

SERVICE BULLETIN

Date **:** *March 6, 2000*
Re **:** AP812/AP818 GROUND HUM UPDATE

Dear Staff & Dealers,

Due to some feedback from our customers a service issue regarding hum problems have been discovered with the **AP812** and **AP818** mixer/s. Please be advised that units in production after March 2000 will ***NOT*** have this problem.

The **HUM** problem only occurs when the main in/out jacks are used (i.e. if a processor is used). There is considerable hum at the MONITOR OUT jack as well.

To solve these problems follow the directions listed below...

Required Modification:
---

1. Seperate Top & Bottom

2. Find where the **Orange** & **Green** Wires are soldered to eyelets, pretty well in the center of the board (marked with an **Orange** & **Green X** on the layout provided).

CUT the **Orange** & **Green** Wires as close to the **EYELETS** as possible (on the filter capacitor side). (as shown circled in **RED**

3. Solder both wires (that you've just cut) to TAB 3 (as shown circled in **GREEN)**

4. Don't forget to re-connect the **Green** Wire (female spade) to the Top Mixer (male spade lug)

We are sorry for any inconvenience caused as a result of this problem. For further technical information or assistance please contact **Peter Mourtos** at **Yorkville Sound** via phone at (905) 837-8550 Ext. 218 or via email at **pmourtos@yorkville.com** .

Enclosed - the Layout for the ***AP812/818*** M1104 Power Amplifier board with instructions.

M1104 AP812-MP10DSX

2oz.COPPER

M1104.PCB_DATABASE_HISTORY

MODEL(S):- AP812-MP10DSX-DJM806

#	DATE	VER#	DESCRIPTION OF CHANGE
1	MAR/25/97	1.00	FIRST_PRODUCTION
2	MAY/15/97	2.00	PC#5372_ADD_DIODES_D22,D24
3	-	-	L1A/B_#3759->#3820
4	FEB/12/98	2.10	CHANGED_ROUTING_AT_VBE_XTR'S
5	FEB/16/98	2.11	REVERSED_ROUTING_AT_LAST_VBE_XTR
6	FEB/27/98	3.00	PC#5622_C214_RADIAL->AXIAL
7	JUN/08/98	3.10	PC#5713_TP4_TO_RADIAL_JUMPER
8	MAR/25/99	V	PC#5951_c1_-420u_to_1000u/35V_PT#5635
9	D	V	N
10	D	V	N
11	D	V	N

PRODUCTION NOTES

1. C18 FOR NORTH AMERICAN IS 22N PT#6435
   C18 FOR EXPORT (CE,S,E) IS 680N PT#5266
2. Q32 MOUNTING HARDWARE
   #8861
   #3501
   #8701
   Q32
   #3692 HEATSINK
3.

Don't forget to connect back to TOP (Mixer)

AP812/AP818 GROUND HUM UPDATE

1) Seperate Top & Bottom

2) Find where the Orange & Green Wires are soldered to eyelets, pretty well in the center of the board (marked with an Orange & Green X).

CUT the Orange & Green Wires as close to the EYELETS as possible (on the filter capacitor side). (as shown circled in RED

3) Solder both wires (that you've just cut) to TAB 3 (as shown circled in GREEN)

4) Don't forget to re-connect the Green Wire (female spade) to the Top Mixer (male spade lug)